

Date: Mon, 27 Jun 94 04:30:41 PDT  
From: Ham-Space Mailing List and Newsgroup <ham-space@ucsd.edu>  
Errors-To: Ham-Space-Errors@UCSD.Edu  
Reply-To: Ham-Space@UCSD.Edu  
Precedence: Bulk  
Subject: Ham-Space Digest V94 #169  
To: Ham-Space

Ham-Space Digest                    Mon, 27 Jun 94                    Volume 94 : Issue 169

Today's Topics:

ANS-176 BULLETINS  
APT-Satellites: Report JUNE 26, 1994  
Ham Sats (2 msgs)  
reader

Send Replies or notes for publication to: <Ham-Space@UCSD.Edu>  
Send subscription requests to: <Ham-Space-REQUEST@UCSD.Edu>  
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Ham-Space Digest are available  
(by FTP only) from UCSD.Edu in directory "mailarchives/ham-space".

We trust that readers are intelligent enough to realize that all text  
herein consists of personal comments and does not represent the official  
policies or positions of any party. Your mileage may vary. So there.

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Date: Sun, 26 Jun 1994 20:07:01 MDT  
From: ihnp4.ucsd.edu!swrindle!gatech!newsxfer.itd.umich.edu!nntp.cs.ubc.ca!alberta!  
ve6mgs!usenet@network.ucsd.edu  
Subject: ANS-176 BULLETINS  
To: ham-space@ucsd.edu

SB SAT @ AMSAT \$ANS-176.01  
PHASE 3-D STATUS REPORT

HR AMSAT NEWS SERVICE BULLETIN 176.01 FROM AMSAT HQ  
SILVER SPRING, MD JUNE 25, 1994  
TO ALL RADIO AMATEURS BT  
BID: \$ANS-176.01

WD4FAB & DB2OS Provide Phase 3-D Status Report

The Phase 3-D Project Leader and AMSAT-DL President, Karl Meinzer (DJ4ZC)  
hosted six days of meetings, 13-18 June 1994 in Marburg, Germany to assess  
the status of a number of major areas of the project. In attendance at

these meetings was Dick Jansson (WD4FAB), AMSAT-NA's Vice-President of Engineering. As a result of these meetings, the Project has ordered the solar arrays and is on the verge of ordering the spacecraft batteries. The selection of the machining contractor for the large aluminum rings for the 2624mm diameter SBS (Spacecraft Bus System) was also discussed and is quite close to being ordered. The SBS, which will be fabricated at Weber State University (WSU) in Ogden, UT, is a large cylinder that is part of the load carrying structure of the Ariane-5 launch vehicle. The Phase 3-D spacecraft is housed inside of the SBS for the ride into orbit.

Discussions were also held with Danny Orban (ON4AOD) on design refinements of the Ku Band transmitter (24 GHz) being constructed in Belgium. Some of these Ku Band transmitter refinements may also be applied to the X Band transmitter being constructed by the AMSAT-OH group at the Helsinki University of Technology in Finland.

One day of the meetings was devoted to very detailed discussions with Bernard LaCoste of the European Space Agency (ESA) regarding the launch configuration of the AR-502 vehicle and the testing that AMSAT will need to do in order to qualify the Phase 3-D spacecraft and the SBS for their launch on AR-502.

Within the next month, AMSAT will conclude the ordering of the major components noted above. Also, in this near time period, the "flight" spaceframe will arrive at the Florida integration facility and start its final cleaning, painting and assembly. The integration facility, located at the Orlando International Airport, is in the final stages of being prepared for its mission of providing the specialized environment for the spacecraft assembly activities.

[The AMSAT News Service (ANS) would like to thank WD4FAB and DB20S for this bulletin item. ]

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SB SAT @ AMSAT \$ANS-176.02  
WEEKLY OSCAR STATUS REPORTS

HR AMSAT NEWS SERVICE BULLETIN 176.02 FROM AMSAT HQ  
SILVER SPRING, MD JUNE 25, 1994  
TO ALL RADIO AMATEURS BT  
BID: \$ANS-176.02

Weekly OSCAR Status Reports: 18-JUN-94

A0-13: Current Transponder Operating Schedule:  
L QST \*\*\* A0-13 TRANSPONDER SCHEDULE \*\*\* 1994 May 07-Jul 11  
Mode-B : MA 0 to MA 170 |  
Mode-BS : MA 170 to MA 218 |

Mode-S : MA 218 to MA 220 |<- S beacon only  
Mode-S : MA 220 to MA 230 |<- S transponder; B trsp. is OFF  
Mode-BS : MA 230 to MA 250 | Alon/Alat 230/-5  
Mode-B : MA 250 to MA 256 |  
Omnis : MA 250 to MA 120 | Move to attitude 180/0, Jul 11  
[G3RUH/DB2OS/VK5AGR]

K0-25: The uplink of the K0-25 spacecraft has been recently switched to 145.870 MHz. In addition, the control station is indicating that a reset of the On-Board Computer (OBS) is planned for 20-June-94.  
[K60YY]

D0-17: D0-17 still continues to transmit its voice message on a downlink frequency of 145.825 MHz.

The AMSAT NEWS Service (ANS) is looking for volunteers to contribute weekly OSCAR status reports. If you have a favorite OSCAR which you work on a regular basis and would like to contribute to this bulletin, please send your observations to WD0HHU at his CompuServe address of 70524,2272, on INTERNET at wd0hhu@amsat.org, or to his local packet BBS in the Denver, CO area, WD0HHU @ W0GVT. Also, if you find that the current set of orbital elements are not generating the correct AOS/LOS times at your QTH, PLEASE INCLUDE THAT INFORMATION AS WELL. The information you provide will be of value to all OSCAR enthusiasts.

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Date: 27 Jun 1994 07:05:15 GMT  
From: ihnp4.ucsd.edu!usc!howland.reston.ans.net!xlink.net!nntp.gmd.de!NewsWatcher!  
user@network.ucsd.edu  
Subject: APT-Satellites: Report JUNE 26, 1994  
To: ham-space@ucsd.edu

Observed at station 50.7 NLat, 7.1 ELon, JUNE 26, 1994

NOAA-9: APT 137.62 On  
NOAA-10: APT 137.50 On  
NOAA-11: APT 137.62 On  
NOAA-12: APT 137.50 On  
Meteor 2-21: APT 137.85 On  
Meteor 3-5: APT 137.85 On

Nothing unusual. Meteor 2-21 passes early in the morning, APT-signal remains weak. Meteor 3-5 is ok. NOAA-9 became a late-morning descender transmitting good illuminated images. NOAA-11 slowly moves to later afternoon. Good

transmissions from NOAA-10 and NOAA-12.

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|Peter Henne (peter.henne@gmd.de) |  
| (henne@gmd.de) |  
|German Nat.Research Center.f.Comp.Science |  
|D-53754 St.AUGUSTIN, Germany |  
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Date: 26 Jun 94 05:04:00 -0500  
From: ihnp4.ucsd.edu!agate!iat.holonet.net!cjbbs!eddy.salvador@network.ucsd.edu  
Subject: Ham Sats  
To: ham-space@ucsd.edu

I'm new into satellite tracking but I have been a ham for some time now. can anyone tell me what would be a good bird to track, its beacon freq, time and modes of op and whatever if it can be received with standard equipment.

Thanks

Date: Mon, 27 Jun 1994 03:48:12 GMT  
From: ihnp4.ucsd.edu!library.ucla.edu!psgrain!nntp.cs.ubc.ca!unixg.ubc.ca!  
quartz.ucs.ualberta.ca!gov.nt.ca!ve8ev@network.ucsd.edu  
Subject: Ham Sats  
To: ham-space@ucsd.edu

In article <4d5\_9406261630@cjbbbs.com> eddy.salvador@cjbbbs.com (Eddy Salvador) writes:

^ ^ ^

>I'm new into satellite tracking but I have been a ham for some time now.  
>can anyone tell me what would be a good bird to track, its beacon freq,  
>time and modes of op and whatever if it can be received with standard  
>equipment.

Thanks

There are several good one to get started on. Here are few easy ones you can try for:

DO-17	145.825 MHz	FM voice and AX.25 1200 baud packet telemetry
A0-21	145.987 MHz	FM voice repeater and AX.25 1200 baud telemetry
A0-27	436.800 MHz	FM voice repeater
Mir	145.550 MHz	FM voice and AX.25 1200 baud packet BBS

All of the above should provide good results with an outside antenna or from a mobile setup. Note that the frequencies listed will shift from slightly higher to slightly lower than shown as the satellite passes over due to the Doppler effect.

Good Luck!

73

John - VE8EV

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John Boudreau VE8EV INTERNET: ve8ev@amsat.org  
Inuvik, NWT, CANADA PACKET: VE8EV@KL7GNG.#NAK.AK.USA.NA

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Date: Sun, 26 Jun 1994 22:23:34 GMT

From: ihnp4.ucsd.edu!dog.ee.lbl.gov!agate!usenet.ins.cwru.edu!eff!news.kei.com!ub!  
csn!springsboard!pat.curtis@network.ucsd.edu  
Subject: reader  
To: ham-space@ucsd.edu

hi alex, i am having some  
trouble with my off line reader. it works fine on other bbs and worked  
fine here before the big crash of 6-94. HELP!

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End of Ham-Space Digest V94 #169

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